DEPARTMENT OF THE ARMY
HEADQUARTERS, UNITED STATES ARMY MATERIEL COMMAND
5001 EISENHOWER AVENUE, ALEXANDRIA, VA 22333-0001

AMC REGULATION
No. 10-104

20 January 1998

Organization and Functions

MISSION AND MAJOR FUNCTIONS OF THE U.S. ARMY AVIATION and MISSILE COMMAND

Local supplementation of this regulation is prohibited.

1. **Purpose**. This regulation prescribes the mission and major functions of the U.S. Army Aviation and Missile Command (AMCOM), a major subordinate command (MSC) of the U.S. Army Materiel Command (AMC).

2. **Mission**. a. Conduct, perform, or manage basic and applied research and engineering, acquisition, integrated logistics materiel readiness management, advanced development and maintenance support functions for all assigned (aviation/missile weapons) systems/subsystems and associated equipment.

b. Execute assigned missions in support of program executive officers (PEO)/project managers (PM) or other Department of Defense (DOD) elements having centralized management responsibility for specific weapon systems or items. These support missions include procurement, production engineering, system engineering, product assurance, materiel management, system safety engineering, maintenance engineering, integrated logistics, configuration management, security

---

*This regulation supersedes AMC-R 10-72, 7 April 1993 and AMC-R 10-80, 1 July 1991.

assistance management activities, resource management, and staff and base support activities, as required, in such areas as legal, financial, personnel, and installation management.

c. Manage Department of the Army (DA) test, measurement, and diagnostic equipment (TMDE) acquisition, logistics, and support as specified in AR 750-43.

d. Exercise command, control, and supervision of assigned activities and installations.

3. **Major functions**. a. Plan, direct, accomplish, and manage assigned items/systems development programs and projects, including the integration of components into end item designs to provide the required performance at the lowest possible cost to the Army.

b. Plan, direct, control, evaluate, and execute research, development, engineering, and associated technologies in support of assigned mission.

c. Plan, direct, and execute the procurement and production, cost analysis, logistics engineering, materiel management, materiel change management, manufacturing methods and technology, production engineering, product engineering, value engineering, human factors engineering, and industrial preparedness missions for assigned items/systems and associated equipment.

d. Plan, develop, and execute a product assurance program for assigned materiel as it pertains to reliability, availability, maintainability, quality engineering, acquisition quality assurance, storage and maintenance quality control, testing, test measuring equipment design and design approval, stockpile reliability, materials testing technology, and past fielded systems performance assessment.

e. Perform life cycle engineering functions that impact on product/process design. Ensure that items/systems and process modifications affecting form, fit, ability, maintainability, reliability, durability, interchangeability/interoperability and vulnerability/survivability are consistent with system performance, operations, program requirements, and objectives.

f. Plan, direct, and accomplish product improvement efforts as a viable alternative to development of new/replacement items. Provide product improvement engineering support for fielded items. Determine whether a commercially available item, rather than an item produced to Government specification, is suitable for field deployment.

g. Plan, direct, and execute interservice, interagency, and interallied standardization, rationalization and interoperability, technical data management, scientific and technical information, and configuration management programs for assigned items/systems. Serve as the proponent for DOD standardization for designated Federal supply classes. Chair the Configuration Control Board and exercise final authority over configuration changes for AMCOM items/systems management responsibility. Maintain a master technical data package repository.

h. Prepare and maintain a long-range plan for each weapon system reflecting industrial facility requirements, budget requirements, and milestone projections from concept phase to program finalization.

i. Perform conceptual feasibility and design studies and prepare proposals for future weapon systems with respect to assigned materiel.

j. Perform selective research and component development to advance technology and generate new systems, reduce missile/rocket and high energy laser development lead time and cost, improve reliability and performance, and assure acceptable product improvement to assigned systems.

k. Design, develop, fabricate, and test prototype missile rocket and high energy laser systems and technologies.

l. Provide central staff supervision for all test and evaluation programs; manage the life cycle testing programs of materiel; and provide broad policy and guidance for test and evaluation.

m. Provide test and evaluation management and technical support, per the concept of full matrix management, for all program life cycle phases of assigned systems to AMCOM/AMCOM supported project managers and other AMC and DA elements having project or system management responsibility.

n. Maintain a research library and defense program data base in support of the scientific and technical disciplines represented in the missions of AMCOM and Marshall Space Flight Center (MSFC).

o. Implement and manage the Command's Earned Value Management Systems (EVMS) function.

p. Manage all Foreign Military Sales and Military Assistance Grant Aid Programs for assigned items/systems. Participate in or conduct security assistance technical and scientific information exchange programs, international RDTE activities, coproduction efforts, proposed Memorandums of Understanding and Rationalization, Standardization, and Interoperability actions. Coordinate deployment of weapon systems to security assistance recipients and provide associated support for items/systems under the Total Package Approach.

q. Plan, direct, and execute integrated supply and stock control (including storage policy and management), cataloging, materiel use, preparation of supply publications, transportation/traffic management, and disposal for assigned materiel consistent with National Inventory Control Point (NICP) responsibilities.

r. Plan and conduct a logistics readiness liaison program with field commanders for designated weapon systems, to include assimilation and assessment of readiness data, and feedback of assessments to designated commanders.

s. Direct and accomplish field service engineering to investigate technical problems and assist users in maintaining operational readiness.

t. Plan, direct, and execute materiel maintenance engineering and management for assigned materiel consistent with National Maintenance Point (NMP) responsibilities.

u. Develop, prepare, and maintain technical manuals and publications, including repair parts lists, maintenance and allocation charts, instructional and operational manuals, and assigned publications within the AMC portion of the Army Training Literature Program. Prepare and maintain technical publications for the maintenance and supply of missile and rocket system and related assigned materiel.

v. Plan, direct, and execute a program of logistics assistance support.

w. Develop, implement, and execute plans, programs, and activities in support of Operation and Support Cost Reduction (OSCR) for all AMCOM-managed items.

x. Identify and provide timely initial stocks of support items to maintain equipment readiness per prescribed provisioning policy and guidance.

y. Plan, schedule, and manage Integrated Logistic Support (ILS) activities for assigned new and product-improved materiel and assure that all ILS requirements are integrated into items/system development. Develop and conduct ILS programs.

z. Plan, schedule, and conduct New Equipment Training (NET) and recommend new or revised related military occupational specialties, as required.

aa. Administer and implement a total safety program for AMCOM and tenant activities per joint support agreements; provide systems safety management and engineering support to all assigned systems, equipment, and services.

bb. Direct, control, and execute military and civilian personnel management, manpower, and training programs.

cc. Coordinate with the U.S. Army Training and Doctrine Command (TRADOC) and other DOD agencies in developing and coordinating required operational capability (ROC) and other requirements for assigned materiel. Provide advanced materiel concepts and techniques to TRADOC in support of the projected Army force structure.

dd. Plan, program, evaluate, and coordinate requirements for and direct the use of resources; perform program management, budgeting, finance and accounting and program execution functions on assigned programs. Act as a general operating agency for control and distribution of funds.

ee. Provide administrative, technical, and logistical support to the Marshall Space Flight Center of the National Aeronautics and Space Administration (NASA) at Redstone Arsenal, per Army-NASA agreements.

ff. Provide central monitorship of all Army inertial system/component research and development requirements.

gg. Provide central monitorship of all Army missile and rocket propulsion research and development programs.

hh. Plan and provide photographic motion picture and audio-visual services, as required.

ii. Manage the materiel acquisition process for assigned systems as it pertains to engineering events such as test reviews, in-process reviews (IPR), production readiness reviews, and type-classification/reclassification actions on assigned items/systems.

jj. Manage foreign missile and rocket systems cooperative research, development testing, and evaluation programs and event analysis in DOD-assigned mission areas, to include aviation systems interface, as appropriate.

kk. Exercise technical and fiscal management over advanced research projects of interest to the Defense Advanced Research Projects Agency (DARPA), U.S. Army Defense Research and Engineering Agency (USDRE), and other DOD agencies.

ll. Plan, direct, and implement policy regarding DOD Federal cataloging programs and their interfaces with AMCOM missions with regard to identification of materiel and dissemination of management data, including Commodity Command Standard System (CCSS) and Defense Integrated Data Systems (DIDS).

mm. Provide contract administration services for all DOD components and NASA where contract performance is located in a facility assigned to AMCOM under the DOD Plant Cognizance Program.

nn. Develop, update, and manage the Army Production Base Support Program (APBSP) for approved weapon system programs, as required.

oo. Establish and maintain a materiel deterioration prevention and control (MADPAC) program for assigned systems/materiel.

pp. Plan, schedule, and manage Force Modernization (FM) activities for assigned new and product-improved materiel and assure that all FM requirements are integrated into items/system development.

qq. Provide administrative and logistical support to selected U.S. Army National Guard units and U.S. Army Reserve units reporting to Redstone Arsenal during mobilization. Prepare AMCOM portion of mobilization plans.

rr. Develop, implement, and execute plans in support of AMC war emergency and contingency operations, and participate in Joint Chiefs of Staff (JCS)-sponsored and other command post exercises. Effect AMCOM portion of the war reserve program; command post exercises and field training exercises, as directed.

ss. Administer and implement an environmental quality program.

tt. Plan, direct, and execute an energy efficiency program.

uu. Provide administrative, engineering, real property management, and other necessary support for assigned installations, subinstallations, and locations.

vv. Plan, program, budget, manage, and execute the DA/AMC Modification Applications Program, to include Modification Work Order Fielding Plans (MWOFP/MFP), modification application plans, MWO kit applications and effectiveness analysis.

ww. Manage the development, acquisition, and postdeployment sustainment of tactical computer hardware and software for assigned weapon systems. Plan, develop, and operate a scientific data processing activity (DPA) required to accomplish assigned missile embedded computer functions.

xx. Design, develop, and sustain system interoperability of the Air Defense functional segment of the Army Command Control System (ACCS).

yy. Plan, direct, and execute a logistics readiness and sustainability program for assigned materiel.

zz. Serve as AMC focal point for Management of Smart Munitions Program.

aaa. Serve as overall AMC proponent for materiel development in the air defense mission area.

bbb. Exercise industrial defense cognizance over Government-owned contractor-operated (GOCO) facilities assigned to AMCOM under DOD Plant Cognizance Program.

ccc. Maintain the installation ammunition management program in the areas of production, transportation, operation, surveillance, supply, maintenance, disposal, and storage.

ddd. Manage DA functions relative to test, measurement, and diagnostic equipment (TMDE) as specified in AR 750-43. Exercise operational responsibilities in support of the AMC Executive Director for TMDE.

eee. Plan, program, budget, manage, and execute a worldwide logistics program for TMDE, encompassing life cycle management of calibration and repair sets and sustainment of calibration procedures.

fff. Manage acquisition of general purpose automatic and manual TMDE and calibration standards per applicable DOD and DA guidance.

ggg. Calibrate and repair the Army's general purpose TMDE and provide calibration and repair services to other activities, as requested, on a reimbursable basis.

hhh. Review and evaluate AMC functional systems integration/ interoperability and information management program for attainment of objectives relative to commodity command standard systems.

iii. Provide functional and technical expertise and authoritative advice and assistance on overall systems design, and program effective use of hardware, software, and all specialized automatic data processing (ADP) activities associated with the development of data processing systems.

jjj. Compute quantitative materiel and funding requirements, to include preparation of the Army Materiel Plan and Requirements Determination and Execution System studies.

kkk. Perform production/industrial engineering facilities review and validation, production capabilities studies, and production cost studies for assigned materiel.

lll. Provide the repository for quality deficiencies and aircraft mishap data. Implement actions for correction and improvement.

mmm. Manage Army aviation research, development, test and evaluation programs conducted by Government laboratories, industrial contractors and others, as appropriate. Provide program integration of aviation-related research and development activities performed by other Commands and laboratories.

nnn. Assess systems readiness and logistics availability, perform reliability-centered maintenance and manage and update technical data packages throughout the materiel life cycle.

ooo. Exercise systems engineering responsibilities for all Army developmental and fielded manned aircraft systems, including the integration of all input from supporting Commands and laboratories.

ppp. Establish, maintain and direct the application of a defined set of aeronautical design standards for Army use.

qqq. Develop and manage an airworthiness qualification program for Army aircraft systems, subsystems, and components.

rrr. Prepare and coordinate test plans and conduct tests for related aircraft equipment.

sss. Establish and direct application of standardization requirements for integration of electronics hardware and software into the multiplex bus architecture of Army aircraft.

ttt. Recommend type-classification and reclassification of assigned aircraft and related aeronautical items.

uuu. Plan, direct, and execute a spare parts acquisition program which emphasizes breakout, fosters competition, and prevents pricing abuses.

vvv. Plan, coordinate, and accomplish testing of assigned materiel and administer the Command materiel release program.

www. Manage and provide life cycle software engineering and support for aviation materiel systems.

xxx. Develop, analyze, and perform preliminary design on advanced systems concepts which integrate advances in technology to meet developing threats.

yyy. Manage and implement an effective corrosion prevention and control program for all assigned systems, equipment, and components.

zzz. Manage the Defense Standardization and Specification Program in support of assigned materiel.

aaaa. Equip the joint forces (Army, Navy, Air Force, Marine Corps, and Defense Logistics Agency) with improved, standardized and interoperable logistics processes, systems, and information.

bbbb. Serve as the designated Executive Agent for the U.S. Army for the Joint (Army, Marine Corps) Unmanned Ground Vehicle

(UGV) Program. Manage the development, production, and procurement of UGV Systems per DOD Directive 5000.1, to include direction and control of tasks and designated associated resources involved in providing UGV Systems to using units or in their delivery to the intended operational destination. Maintain a balanced program to accomplish the stated objectives of the DOD Robotics Program.

4. **Relationships**. a. The Commanding General, AMCOM, is under the direct command of the Commanding General, AMC, and serves in the dual capacity of Commander, AMCOM, and installation Commander of Redstone Arsenal.

b. Interface between AMCOM and PEOs and their assigned PMs and other organizations regarding the assignment and management of assigned materiel and providing of functional support will be as prescribed in DA/AMC regulations, Letters of Instruction (LOI), Letters of Agreement (LOA), Memorandums of Understanding (MOU), charters, and other binding directives.

c. Interface between AMCOM and National Aeronautical and Space Administration (NASA) will be as prescribed in MOAs and in MOUs. The NASA/AMC agreement provides the Army with access to aerospace scientists and state-of-the art aerospace Research and Development facilities.

5. **Assigned materiel**. a. Free flight rockets (excluding rocket and missile warhead sections).

b. Guided missiles (excluding rocket and missile warhead sections).

c. Ballistic missiles (excluding rocket and missile warhead sections).

d. Special purpose and multisystems test equipment, as assigned by AMC.

e. Missile launching and ground support equipment.

f. Missile fire control equipment.

g. Air defense missile fire coordinating equipment.

h. Remotely piloted vehicle/drone systems, unmanned aerial vehicles (UAV), payloads, and associated communication link and ground support equipment.

i. Laser designators.

j. Simulations, training aids, and other missile/rocket systems-related training devices.

k. Embedded computer hardware/software associated with missile system lifecycle software support.

l. Laboratory calibration and repair systems (including module laboratories and fixed facilities).

m. Mobile calibration and repair systems (including trucks and generators).

n. Automated calibration systems.

o. Test, measurement, and diagnostic equipment and automatic test equipment that is part of, or used with, assigned aircraft systems.

p. Primary-level standards and support instrumentation.

q. Fixed wing aircraft systems.

r. Rotary wing aircraft systems.

s. Vertical and short takeoff and landing aircraft systems.

t. Aircraft ground support, training devices, and ancillary equipment.

u. Aircraft external stores racks.

v. Integrated portions of aircraft armament subsystems.

w. Aircraft survivability systems.

The proponent of this regulation is the United States Army Materiel Command. Users are invited to send comments and suggested improvements on DA Form 2028 (Recommended Changes to Publications and Blank Forms) to the Commander, HQ AMC, ATTN: AMCRM-O, 5001 Eisenhower Avenue, Alexandria, VA 22333-0001.

FOR THE COMMANDER:

OFFICIAL:

JAMES M. LINK
Major General, USA
Chief of Staff

LEROY TILLERY
Chief, Printing and Publications
Branch

DISTRIBUTION:
Initial Distr H (44) 1 ea HQ Acty/Staff Ofc
LEAD (SIOLE-DO-I) (2)
AMCIO-I-S stockroom (15)
AMCRM-O (15)
Separate Reporting Activities (SRA) (2 ea)
AMCOM/AMSAM-RM-FD (4)
AMCOM/AMSAM-SMO (Library) (4)
ARL/AMSRL-CI-TG (4)
CBDCOM/AMSCB-CIR (4)
CECOM/AMSEL-IM-BM-I (4)
IOC/AMSIO-IML (4)
LOGSA/AMXLS-IM (4)
SSCOM/AMSSC-S-IMS (4)
STRICOM/AMSTI-CS (4)
TACOM/AMSTA-DRM (4)
TECOM/AMSTE-CT-N (4)
USASAC/AMSAC-IM-O (4)